U.S. UTILITY Patent Application  PATENT NAMEER  U.S. UTILITY Patent Application  PATENT PANE  SCAMPED  OACOM  PATENT PANE  OACOM  OACOM
U.S. UTILITY Patent Application  OLPE. PATENT DATE  CACHED  OLPE. PATENT DATE  CACHED  OLPE. PATENT DATE  CACHED  OLPE. PATENT DATE  CACHED  DATENT HAMBERHAD  SPRING CLASSIFICATION  ORIGINAL  CROSS REPREPAYORS  CLASS  SUBCLASS  SUBCLASS  CLASS  SUBCLASS  CLASS  SUBCLASS
U.S. UTILITY Patent Application  OAPE. PATENT DATE  SAME CLASS  PROJECTION OF CONTRIOR CLASS  SUBCLASS  FROM HEAD CLASS  PROJECTION OF FUNCTIONAL PROTECTIONS SUBCLASS PER CLOSIC  PROJECTION OF FUNCTIONAL PROTECTIONS SUBCLASS PER CLOSIC  ORIGINAL CLASS CLASS  SUBCLASS CLASS SUBCLASS PER CLOSIC  WITERWATIONAL CLASSIFICATION  ITERROPHAGE  CLASS SUBCLASS CLASS SUBCLASS PER CLOSIC  ORIGINAL CLASSIFICATION  ITERROPHAGE  DISCLARIFER Shoets, Drop. Figs. Dring Print/Fig. Total Claims Find Claim focc. G. Total Claims (Call)  The term of this patent subcequent to has been of this patent shall over the patent subcequent to has been of this patent shall over the patent subcequent to has been of this patent shall over the patent subcequent to has been of this patent shall over the patent subcequent to has been of this patent shall over the patent subcequent to has been of this patent shall over the patent subcequent to has been of this patent shall over the patent subcequent to has been of this patent shall over the patent subcequent to has been of this patent shall over the patent subcequent to has been of this patent shall over the patent subcequent to have been of this patent shall over the patent subcequent to have the patent subcequent t
ORIGINAL  TERROUNAL  T
OLPE PATENT DATE  COLORIDAD  OLPE PATENT DATE  COLORIDAD  OLPE PATENT DATE  COLORIDAD  SECULATION CONTRODOR CLASS SUBCLASS SUBCLASS SUBCLASS SUBCLASS Production of functional proteins: balance of shear stress and  Production of functional proteins: balance of shear stress and  ORIGINAL  ORIGINAL  ORIGINAL  ORIGINAL  OLISS SUBCLASS CLASS SUBCLASS SUBCLASS CLASS SUBCLASS CLASS SUBCLASS CLASS SUBCLASS SUBCLASS CLASS SUBCLASS CLASS SUBCLASS SUBCLASS CLASS SUBCLASS CLASS SUBCLASS SUBCLASS SUBCLASS SUBCLASS CLASS SUBCLASS SUBCLASS SUBCLASS CLASS SUBCLASS SUB
APPLICATION NO. O9/532001 D SSECUS SUBCLASS ART UNIT 1646-1633 EXAMINED FROM 1
ORIGINAL  ORIGINAL  INTERNATIONAL CLASSIFICATION  ORIGINAL  ORIGIN
SAMINER GROWING   See   SAMINER
Production of functional proteins: balance of shear stress and  ISSUING CLASSIFICATION  ORIGINAL  CROSS REFERENCE(S)  INTERNATIONAL CLASSIFICATION  INTERNAT
Production of functional proteins: balance of shear stress and
SSUING CLASSIFICATION     CROSS REPERENCE(S)     CLASS   SUBCLASS   SUBCLASS (DXZ SUBCLASS PER DLCD)()     INTERNATIONAL CLASSIFICATION     INTERNATIONAL CLASSIFIC
SSUING CLASSIFICATION  ORIGINAL CROSS REPERENCE(S)  CLASS SUBCLASS CLASS SUCCLASS (OX.T SUBCLASS PER DLCD:I)  RITERNATIONAL CLASSIFICATION  INTERNATIONAL CLASSIFICATION  DISCLARIER  Sheets Drwg. Figs. Diwg. Print Fig. Total Claims Print Digits for O.G. and Disclarification (date)  The term of this patient shall not extend beyond the expiration date of U.S. Patent. No. ISSUE FEE  Amount Due Date Paid
ISSUING CLASSIFICATION   CROSS REFERENCE(S)   CLASS   SUBCLASS   CLASS   SUBCLASS (CNX SUBCLASS PER DLCC)()
ORIGINAL CROSS REFERENCE(S)  CLASS SUBCLASS CLASS SUBCLASS (DX.2 SMECLASS PER DLCCX)  INTERNATIONAL CLASSIFICATION  INTERNATIONAL CLASSIFICATION  DRAWTINGS CLAIMS ALLOWED  TERMINAL DRAWTINGS CLAIMS ALLOWED  The term of this patent shall not extend beyond the expiration date of U.S Patent, No
ORIGINAL CROSS REFERENCE(S) CLASS SUSCLASS CLASS SUSCLASS (ONT SUBCLASS PER DLCCG) INTERNATIONAL CLASSIFICATION  INTERNATIONAL CLASSIFICATION  DISCLARMER  DRAWINGS CLAMMS ALLOWED  Telem of this patent Subsequent to
CROSS REFERENCE(S)  CLASS SUBCLASS CLASS SUBCLASS (CX.2 SMECLASS PER DLCCX)  INTERNATIONAL CLASSIFICATION  INTERNATIONAL CLASSIFICATION  DRAWINGS  CLAIMS ALLOWED  TERMINAL  DISCLAIMER  Sheets Drwg. Figs. Drwg. Print.Fig. Total Claims Print Claim for O.G. Sheets Drwg. (International Control of this patent shall not extend beyond the expiration date of U.S Patent. No.    The term of this patent shall not extend beyond the expiration date of U.S Patent. No.    SSUE FEE
CLASS SUBCLASS CLASS SUBCLASS (OX E SUBCLASS PER DLCOX)  INTERNATIONAL CLASSIFICATION
INTERNATIONAL CLASSIFICATION    Continued on Issue Stip Inside File Jacket:
TERMINAL DISCLAIMER  Sheets Drivg. Figs. Drivg. Print Fig. Total Claims Print Claim for O.G  The term of this patent subsequent to
TERMINAL DRAWINGS CLAIMS ALLOWED  Sheets Drwg. Figs. Drwg. Print:Fig. Total Claims Print Claim for O.G.  The term of this patent subsequent to
TERMINAL DISCLAIMER  DRAWINGS CLAIMS ALLOWED Sheets Drivg. Figs. Drivg. Print Fig. Total Claims Print Claim for O.G.  The term of this patent subsequent to
TERMINAL DRAWINGS CLAIMS ALLOWED  Sheets Drwg. Figs. Drwg. Print:Fig. Total Claims Print Claim for O.G.  The term of this patent subsequent to
TERMINAL DRAWINGS CLAIMS ALLOWED  Sheets Drwg. Figs. Drwg. Print Fig. Total Claims Print Claim for O.G.  The term of this patent subsequent to
TERMINAL DISCLAIMER  Sheets Drwg. Figs. Drwg. Print Fig. Total Claims Print Claim for O.G.  The term of this patent subsequent to
The term of this patent subsequent to
The term of this patent subsequent to
subsequent to (date) has been disclaimed.  The term of this patent shall not extend beyond the expiration date of U.S Patent. No.  ISSUE FEE  Amount Due  Date Paid
The term of this patent shall not extend beyond the expiration date of U.S Patent. No.  ISSUE FEE  Amount Due  Date Paid  (Primary Examiner). (Date)
of U.S Patent. No.  ISSUE.FEE  Amount Due  Date Paid  (Primary Examiner), (Date)
(Primary Examiner), (Date)
ICCUE PATCH AUMAPED
The terminalmonths of ISSUE BATCH NUMBER
this patent have been disclaimed.
(Logal Instruments Examiner) (Date)  WARNING:
The information disclosed herein may be restricted. Unauthorized disclosure may be prohibited by the United States Code Title 35, Sections 122, 181 and 368.  Possession outside the U.S. Patent & Trademark Office is restricted to authorized employees and contractors only.
Form PTO-436A (Rev. 8/99)  FILED WITH: DISK (CRF) FICHE CD-ROM (Attached in pocket on right inside flap)
BEST AVAILABLE COPY
(FACE)